



Army Spectrum Management Office (ASMO)

Deputy Army Spectrum Manager



Purpose

- **Provide a top-level overview of the ASMO Organization**
- **Provide an update on ASMO accomplishments/issues**



Mission

- **Defend and champion Army spectrum usage at National and International levels**
 - **Protect Army capabilities from commercial encroachment**
 - **Champion Army weapon system deployment internationally**
- **Provide CONUS tactical/training frequencies**
- **Provide assignments for developmental testing**
- **Per statute (47 USC Sec 902) & Federal regulations (CFR 47, Part 300), certify Army spectrum-dependent systems**



ASMO

SAIS-AO

Army Spectrum Management
Office (ASMO)

Budget Analyst
Admin Asst

Deput

Spectrum LNO
SIGCoE

* Dual-
Hatted

OPS Branch

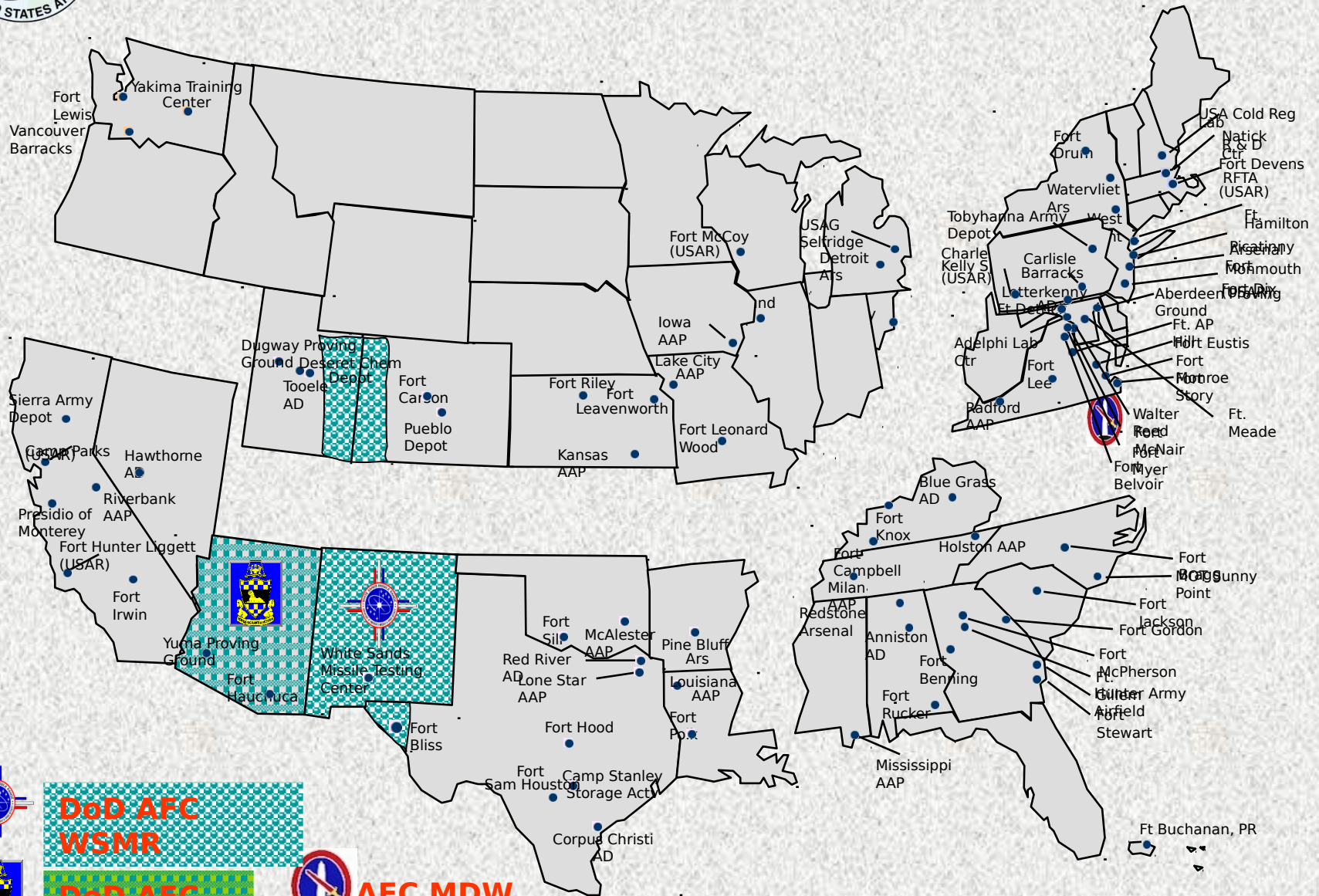
CONUS Army
Frequency
Management Office,
TX

DoD Area
Frequency
Coordinator WSMR

Plans Branch

DoD Area
Frequency
Coordinator, AZ

AFMO-CONUS Regional Breakdown





2011 Major Accomplishments

- Spearheaded formation of Army position to defend capabilities and find spectrum under the National Broadband Plan (NBP)
- Secured spectrum for soldier C-IED training
- Assigned spectrum during tornado disaster relief
- Defended Army international spectrum access - State Dept requested ASMO join US del Central American bilats
- Obtained spectrum certification for JTRS hand held
- Turned over data capture tool (Stepstone) to JSC
- Provided engineer support for testing before deployment
- Spectrum management certification guidance, assistance and engineering for Program Managers
- Successful relocation to Fort Meade



Issue: Army High-Priority WRC-12 Agenda Items (AIs)

AI	Subject	Summary
1. 2	Enhancing the regulatory framework	Oppose regulatory changes which cause ambiguity in determining spectrum availability during deployment planning
1. 3	Unmanned aircraft systems (UAS)	Support regulatory changes to allow UAS to flexible flight paths outside normal aviation routes
1. 5	Electronic news gathering (ENG)	Oppose new regulations allowing news crews to use Army spectrum; database option avoids regulation changes that could result in encroachment



Issue: Army High-Priority WRC-12 Agenda Items (AIs)

AI	Subject	Summary
1.15	HF oceanographic radar (3-50 MHz)	Protect Army Primary status in HF bands
1.21	Radar allocation (15.4-15.7 GHz)	Support more radar spectrum (300 MHz)
1.25	Mobile satellite allocation (4 - 16 GHz)	Oppose change to the Radio Regulations that encroach on bands used by Army
8.2	Future WRC agenda items	US supports an agenda item promoting mobile broadband ; best Army strategy is to support US efforts to establish ITU working groups that develop regulatory language protecting existing Army spectrum uses



Issue: National Broadband Plan

- **Army studied the technical, cost, and operational impact and feasibility of giving up spectrum (1755-1850 MHz) to industry for wireless broadband applications**
 - **Key Equities: Joint Tactical Training System (JTRS), Unmanned Aerial Systems (UAS), High Capacity Line of Sight (HCLOS); Unmanned Ground Vehicle (UGV) video; Point-to-point microwave links, Telemetry, GSM Training systems**
 - **All Army capabilities have workable mitigation**
 - **Alternative spectrum identified**
 - **Use of exclusion zones around training areas**



NBP Army Assessment Team

- **Army 1755-1850 MHz team**
 - **CIO/G6 ASMO: Army lead - develop technical, operational, and cost impacts**
 - **National Guard Bureau**
 - **G2 - Intelligence impacts**
 - **FORSCOM and G3/5/7: Operational impacts**
 - **G8: 3-Star level engagement to assess future budget impacts**
 - **Army Test & Eval (T&E): Inputs for T&E range operations**
 - **Program offices: Provided COAs based on system technical, operational, and acquisition parameters**
 - **Army Cost Office: Cost analysis**
- **Collaborated with other MILDEPs on related systems and analysis methodologies**



Points of Contact